Fig.1

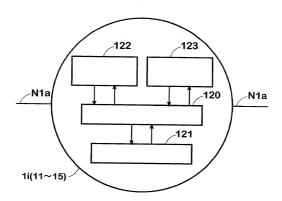
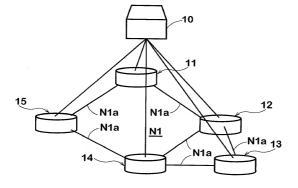


Fig.2



Fia

	_		
Node information	Charge information		
		Jser A User B	
		User A	
	packet delay		
	Rate of packet loss		
	Traffic amount		
	Date/ time		
	Obtaining The number The number node of hopping of connected times		
	The number	or nopping times	
	Obtaining node		

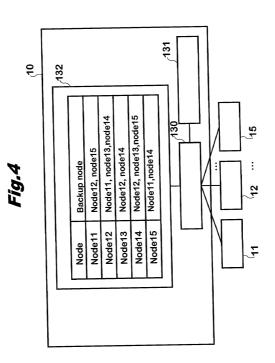
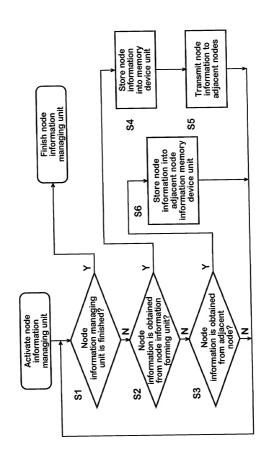
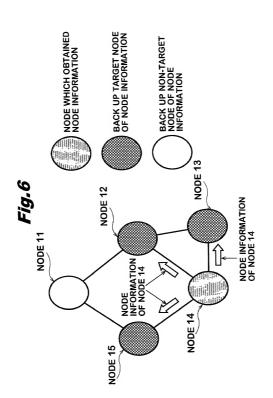


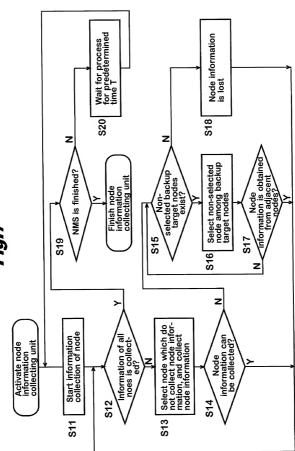
Fig.5





1.1





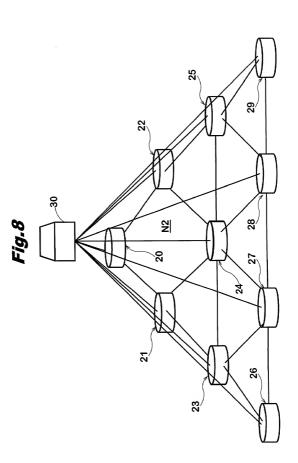


Fig.9

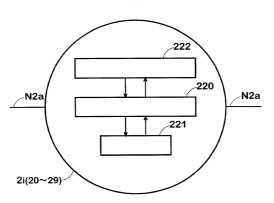


Fig.10

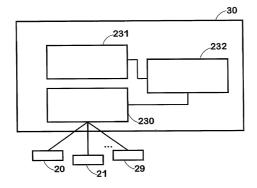


Fig.11

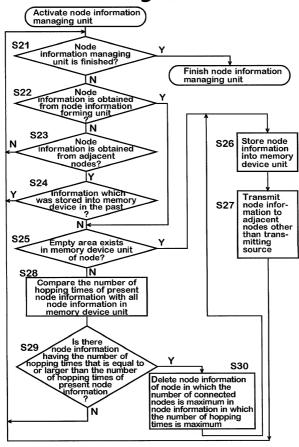


Fig. 12

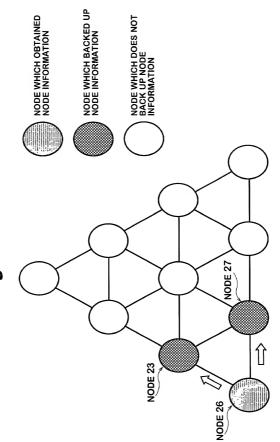
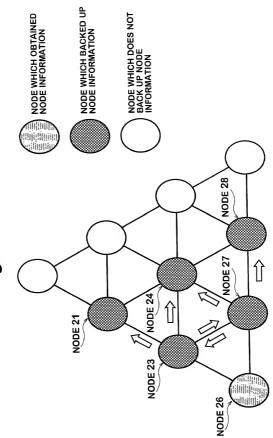


Fig. 13



NODE WHICH BACKED UP NODE INFORMATION NODE WHICH OBTAINED NODE INFORMATION NODE WHICH DOES NOT BACK UP NODE INFORMATION NODE 29 NODE 25 NODE 28 NODE 22 NODE 24 NODE 20 Fig. 14 NODE 27 NODE 21 NODE 23 NODE 26

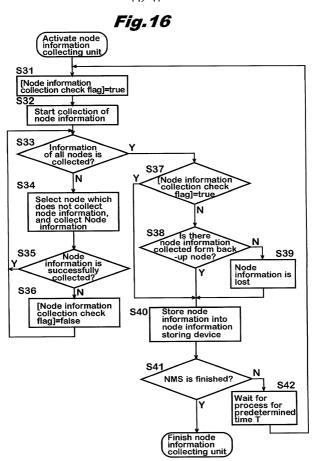
11.

MEMORY DEVICE, INFORMATION OF THE FARTHERS NODE 20 (THE NUMBER OF HOPPING TIMES = 3) IS DELETED AND EMPTY AREA IS FORMED MEMORY DEVICE, SINCE THE FARTHEST
NODE IS NODE 26 (THE NUMBER OF
HOPPING TIMES = 3). NODE INFORMATION
OF NODE 26 IS ABANDONED IF THERE IS NO EMPTY CAPACITY IN IF THERE IS NO EMPTY CAPACITY IN NODE 22 NODE 20 Fig. 15

NODE 28

NODE 26

. 11 .



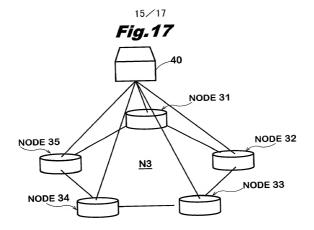
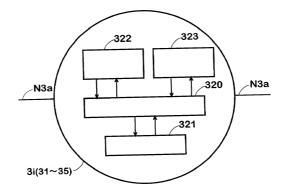
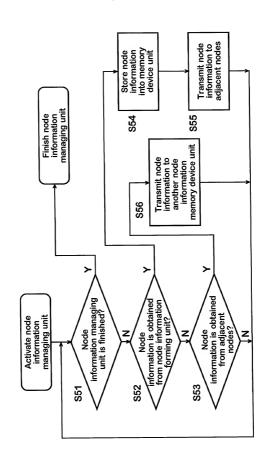


Fig.18



* 63 ·

Fig. 19



a (3. e

BACK UP TARGET NODE OF NODE INFORMATION NODE WHICH OBTAINED NODE INFORMATION BACK UP NON-TARGET NODE OF NODE INFORMATION NODE 32 NODE 33 Fig.20 NODE 31 NODE INFORMATION OF NODE 31 NODE 34 NODE 35